AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

application:

LISTING OF CLAIMS:

1. (currently amended): A vehicular generator-motor system comprising:

a rotary machine including comprising:

a stator having three phase armature winding and a rotor composed of a field

winding for magnetizing a plurality of field magnetic poles, and

permanent magnets for magnetizing said field magnetic poles by interaction with

the field winding;

an electrical power converter which performs as a rectifier when said rotary machine is

operated as a generator, and performs as an inverter when said rotary machine is operated as a

motor; and

a control means for device controlling said electrical power- converter, thereby, when

said rotary machine is operated as a motor, said control means device controls said electrical

power-converter so as to restrict the armature current at the time of low speed rotation.

2. (currently amended): A vehicular generator-motor system according to claim 1,

further comprising:

a field current control device means for controlling a field current flowing through the

field winding, wherein when said rotary machine is operated as a motor, said field current

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control means device is controlled by said control means device to increase said field current at

the time of low speed rotation.

3. (currently amended): A vehicular generator-motor system according to claim 2,

wherein said field current control means-device is controlled by said control means device -to

reduce said field current with increasing rotating speed of said rotary machine.

4. (currently amended): A vehicular generator-motor system according to claim 1,

wherein when said rotary machine is operated as a starting motor, said control means device

controls three phase terminal voltage of said inverter in response to the rotating speed of said

rotary machine.

5. (currently amended): A vehicular generator-motor system according to claim 2,

wherein when said rotary machine is operated as a starting motor, said control means-device

controls three phase terminal voltage of said inverter in response to the rotating speed of said

rotary machine.

6. (currently amended): A vehicular generator-motor system according to claim 3,

wherein when said rotary machine is operated as a starting motor, said control means device

controls three phase terminal voltage of said inverter in response to the rotating speed of said

rotary machine.

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armature current at the time of low speed rotation is limited to 300 amperes or below.

8. (original): A vehicular generator-motor system according to claim 1, wherein said

7. (original): A vehicular generator-motor system according to claim 1, wherein the

electrical power converter operated as the inverter is air-cooled.

9. (original): A vehicular generator-motor system according to claim 1, wherein said

electrical power converter is functioned as the inverter only when said rotary machine is operated

as a motor.

10. (original): A vehicular generator-motor system according to claim 1, wherein said

rotor includes a pair of claw-shaped poles in which each of pair poles has a plurality of claw-

shaped pole pieces alternately meshed to each other, and each of said permanent magnets is

inserted between said adjacent claw-shaped pole pieces.

11. (original): A vehicular generator-motor system according to claim 10, wherein each

of said adjacent claw-shaped pole pieces is magnetically shorted by a magnetic bridge element at

the periphery of said claw-shaped poles, and said permanent magnets are disposed inside of said

bridge elements.

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